



FIRE CREW FIREFIGHTER TRAINING

Procedures Handbook 4200

TOOLS AND EQUIPMENT

TOPIC: CANTEENS

TIME FRAME: 0:30

LEVEL OF INSTRUCTION: Level II

BEHAVIORAL OBJECTIVE:

Condition: Given a written or oral quiz

Behavior: The student will confirm a knowledge of the use, care and maintenance of canteens currently being utilized by the department

Standard: With a minimum 70% accuracy

MATERIALS NEEDED:

- Writing board with markers/erasers
- Appropriate audio visual equipment and screen
- Canteen, one gallon
- Canteen, metal, one quart
- Web belt
- Canteen case
- Baking soda
- Tablespoon
- Potable water
- Topic Quiz

REFERENCES:

- CDF Fire Protection Handbook, 4300
- Health and Safety Code Handbook, USFS

PREPARATION:

Firefighting can be hot, dirty work. The need for a safe, clean and convenient water supply is readily appreciated by anyone who has fought a fire. Each firefighter must carry his/her own water supply in canteens, and know how to carry, clean, maintain, and store the canteen.



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CANTEENS

PRESENTATION	APPLICATION
<p>I. TERMINOLOGY</p> <p>A. One gallon canteen standard CDF issue</p> <p>NOTE: Commonly known as “BANJO”</p> <ol style="list-style-type: none">1. Metal2. Plastic <p>B. Carrying strap (webbed)</p> <p>C. Strap guides</p> <p>D. Male threads</p> <p>E. Threaded cap and chain</p> <p>F. Cap gasket</p> <p>G. Canteen, case and adjustable web belt</p> <p>H. Plastic quart bottles with pouches</p> <p>II. PREPARATION FOR EMERGENCY INCIDENT</p> <p>A. All personnel who are assigned to fireline duty must carry their own drinking water</p> <p>B. Water in all canteens is to be changed daily</p> <p>C. Prior to going on the fireline, service your canteen(s). Refill at each opportunity</p> <p>D. Know your water source</p> <ol style="list-style-type: none">1. Avoid surface water like lakes or creeks2. Avoid tank water unless marked potable<ol style="list-style-type: none">a) No fire engine tank waterb) No hoselay water	



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<ul style="list-style-type: none">c) No water tender water3. Use water only in your canteen<ul style="list-style-type: none">a) No juice of any kind<ul style="list-style-type: none">1) Citrus acid reacts with aluminum2) Spoilageb) No Kool Aid or soft drinks<ul style="list-style-type: none">1) Carbonated drinks make some lethargic2) Spoilagec) No coffee or tea (caffeine)<ul style="list-style-type: none">1) Diuretics that pull water out of your body cells	
<p>NOTE: Drink out of quart canteens only - refill quart canteens with the gallon banjos</p> <ul style="list-style-type: none">E. Keep canteen cap screwed on tight to avoid water loss and contaminationF. Drink enough water to avoid dehydration<ul style="list-style-type: none">1. Do not wait until thirsty<ul style="list-style-type: none">a) Over drink method2. Drink water often	
<p>III. CARRYING THE CANTEENS</p> <ul style="list-style-type: none">A. One gallon canteen<ul style="list-style-type: none">1. Backpack carry2. Shoulder carry with strap	



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<ul style="list-style-type: none">3. Waist carry with strap4. Sling carry (over one shoulder)B. One quart canteens or plastic bottles may be carried in backpacks or on web gear <p>IV. CARE AND MAINTENANCE</p> <ul style="list-style-type: none">A. Sterilize canteens<ul style="list-style-type: none">1. For new or stored canteens<ul style="list-style-type: none">a) Submerge canteens in a solution of liquid laundry bleach and water<ul style="list-style-type: none">1) 1:100 ratio (1 cap per gallon of water)b) Keep canteens submerged for a minimum of 1 hour or overnight<ul style="list-style-type: none">1) Canteens should be completely filled with solutionc) Rinse thoroughly with clean waterB. Canteens should be cleaned weekly<ul style="list-style-type: none">1. Interior<ul style="list-style-type: none">a) Use 1 heaping teaspoon of baking soda per canteenb) Fill with fresh water and let set for 24 hoursc) Empty and flush it with clean water2. Exterior<ul style="list-style-type: none">a) The outside of the canteen may be cleaned with soap and water	



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<ul style="list-style-type: none">b) Scrub with a bristle-type brushc) Rinse with clean water3. Brush male threads on canteens to remove any corrosion or depositsC. Replace any damaged carrying strapsD. Replace any faulty caps and gasketsE. Replace any cracked or leaking canteens <p>V. STORAGE</p> <ul style="list-style-type: none">A. On the vehicle<ul style="list-style-type: none">1. In proper compartment2. Carrying strap folded and in place<ul style="list-style-type: none">a) Eliminates tripping hazard3. Full of water and capped tightly4. Set uprightB. At camp/center<ul style="list-style-type: none">1. In proper location2. Empty3. Caps off4. Straps folded and in placeC. Do not sit on canteensD. Make sure all canteens have the proper identification marking: color, number coding, etc.	<p>Administer Topic Quiz</p>



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SUMMARY:

Proper care, maintenance and use of canteens(s) will provide the firefighter with high quality water when needed. Adequate water consumption during firefighting operations is critical for prevention of heat related injuries.

EVALUATION:

The student will complete a written or oral quiz at a time determined by the instructor.

ASSIGNMENT:

Review your notes in preparation for the upcoming quiz. Study for the next session.